

**Second B.H.M.S. (2015) Examination, Summer - 2021
PATHOLOGY & BACTERIOLOGY & PARASITOLOGY - I**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all sections.

1. Write short answer (any ten out of fifteen) : [10 × 2 = 20]

- a) Pathologic hyperplasia.
- b) Enumerate mediators of inflammation.
- c) 4 differentiating points between transudate and exudate.
- d) Aetiology of Fat embolism.
- e) Give types of Amyloidosis.
- f) Give 2 types of physical carcinogenesis with examples.
- g) Antibody.
- h) What are 2 clinical syndromes as a result of Protein Energy Malnutrition?
- i) Give 4 differences regarding cerebrospinal fluid in bacterial and viral meningitis.

- j) Enumerate diagnostic tests of Diabetes mellitus.
- k) Give morphologic classification of cirrhosis.
- l) Give 4 differentiating points between benign and malignant gastric ulcers.
- m) Angina.
- n) Meningitis.
- o) Enumerate 4 COPDs.

2. Write short answer (any four out of six) :

[4 × 5 = 20]

- a) Wound healing.
- b) CVC liver.
- c) Differentiate between benign and malignant neoplasm.
- d) Coagulative necrosis with examples.
- e) Indications and Procedure of bone marrow aspiration.
- f) Pulmonary Function Test.

3. Write short answer (any four out of six) :

[4 × 5 = 20]

- a) Splenomegaly.
- b) Aetiology and types of pneumonia.
- c) Distinguishing features of Crohn's disease and Ulcerative colitis.
- d) Laboratory diagnosis of Myocardial Infarction.
- e) Proteinuria.
- f) Aetiology and Blood picture of B12 deficiency anaemia.

4. Long answer question (**any two** out of four) :

[2 × 10 = 20]

- a) Discuss in detail aetiopathogenesis of thrombosis.
- b) Write a detailed note on Anaphylaxis.
- c) Define Jaundice. Enumerate its types. How will you differentiate between different types of Jaundice.
- d) Define goitre. Discuss causes, clinical features & laboratory diagnosis of Hypothyroidism.

Long answer question (any one from Q.No. 5, 6 and 7) :

5. Write differentiating features between nephrotic and nephritic oedema. Enumerate causes of both. Discuss pathogenesis of acute post-streptococcal proliferative glomerulonephritis. **[1 × 20 = 20]**

6. Define chronic granulomatous inflammation. Give 4 causes. Discuss morphological changes and complications of pulmonary tuberculosis. **[1 × 20 = 20]**

7. What are the types of immune response? Discuss the process of cellular and humoral immune response in detail. **[1 × 20 = 20]**



**Second B.H.M.S. (2015) Examination, Summer - 2021
PATHOLOGY & BACTERIOLOGY & PARASITOLOGY - II**

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Total Marks : 100

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 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
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 - 7) Use a common answerbook for all sections.

1. Write short answer (any ten out of fifteen) : [10 × 2 = 20]

- a) Enriched media with two examples.
- b) Bacterial cell wall. ✓
- c) Cholera.
- d) Write two Staining methods of bacteria.
- e) Write four Gram positive bacteria.
- f) Giardiasis. ✓
- g) Relation between Host & Parasite.
- h) 4 Parasites causing Anaemia.
- i) Brood capsule. ✓

- j) Stool examination of acute amoebic dysentery.
- k) Laboratory Test for Enterobius Vermicularis.
- l) 4 RNA viruses.
- m) Rota Virus. ✓
- n) Properties of Virus.
- o) Write Two Cutaneous diseases by fungal infection. ✓

2. Write short answer (any four out of six) : [4 × 5 = 20]

- a) Pathology and Lab diagnosis of Neisseria Meningitis.
- b) Pathology of Clostridium.
- c) Pathology of Wuchereria Bancrofti.
- d) Life cycle of Plasmodium Vivax.
- e) General Characteristic of virus.
- f) Difference between Exotoxins and Endotoxins.

3. Write short answer (any four out of six) : [4 × 5 = 20]

- a) VDRL test.
- b) Bacterial Motility.
- c) Characteristic of Nematodes.
- d) Methods & Sources of Infection.
- e) Dengue Virus.
- f) Superficial Mycoses.

4. Long answer question (**any two** out of four) :

[2 × 10 = 20]

- a) Write in details about Sterilization Methods & disinfection with their merits & demerits.
- b) Define Bacterial cultural media. Describe different type of cultural media with suitable example.
- c) Describe HIV morphology, spread, pathogenesis and lab.diagnosis.
- d) Describe morphology, life cycle, pathogenesis, lab.diagnosis of Hookworm.

Long answer question (any one from Q.No. 5, 6 and 7) :

5. Describe Morphology, life cycle, pathogenicity, lab.diagnosis of mycobacterium tuberculi with add notes on Tuberculosis. [1 × 20 = 20]

6. Describe Morphology, Cultural characteristic, toxins, lessions, lab.diagnosis of E.Coli. [1 × 20 = 20]

7. Describe Adenoviruses Morphology, Resistance, Classification, Pathogenesis, Lab.diagnosis. [1 × 20 = 20]



Second B.H.M.S. (2015) Examination, Summer - 2021**FORENSIC MEDICINE AND TOXICOLOGY**

Total Duration : 3 Hours

Total Marks : 100

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 - 7) Use a common answer book for all sections.

1. Write short answer (any ten out of fifteen) :

[10 × 2 = 20]

- a) Forensic Medicine.
- b) Panchnama Report.
- c) Saponification.
- d) Vicarious liability.
- e) Tattoo mark.
- f) Hesitation cut.
- g) Contact flattening.
- h) Tardeo spot.
- i) Oxalurea.

- j) Fatal dose and fatal period of dhatura.
- k) Fatal dose and fatal period of nux vomica.
- l) Define toxicology.
- m) Run amoke.
- n) Antidote.
- o) Fatal dose and fatal period of opium.

2. Write short answer (any four out of six) :

[4 × 5 = 20]

- a) MTP Act 1971.
- b) Subpnoea.
- c) Bruise.
- d) Hydrostatic test.
- e) CCH - Functions.
- f) Write duties of R.M.P. in criminal abortion. Mention complications in criminal abortion.

3. Write short answer (any four out of six) :

[4 × 5 = 20]

- a) Drugs and cosmetic rules 1945.
- b) Diagnosis of poisoning in living and dead.
- c) CO Poisoning.
- d) Signs and symptoms of vasculotoxic snake bite and its treatment.
- e) Food poisoning.
- f) Difference between arsenic poisoning and cholera.

4. Long answer question (any two out of four) : [2 × 10 = 20]
- Define hanging. Write types of hanging, causes of death, post mortem findings and medicolegal importances of hanging.
 - Define sexual offence. Classify sexual offences. How will you proceed the examination of victim and accused in alleged rape?
 - How will you determine race, age and sex and write it's medicolegal importances?
 - Define injury. Classify injuries on different bases. Add a note on abrasion.

Long answer question (any one from Q.No. 5, 6 and 7) :

- Write in detail about strychnine poisoning with respect to it's alkaloids, signs and symptoms, fatal dose, fatal period, post mortem findings, treatment and medicolegal importances. [1 × 20 = 20]
- Write in detail about alcohol poisoning with respect to signs and symptoms, post mortem findings, treatment and medicolegal importances. Add a note on Bombay prohibition Act. [1 × 20 = 20]
- Explain general line of treatment of poisoning with respect to removal of unabsorbed poison, use of antidote, elimination of poison, symptomatic treatment. Add a note on duties of R.M.P. in poisoning. [1 × 20 = 20]



Second B.H.M.S. (2015) Examination, Summer - 2021**HOMOEOPATHIC MATERIA MEDICA**

Total Duration : 3 Hours

Total Marks : 100

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 - 7) Use a common answer book for all sections.

1. Write short answer (any ten out of fifteen) :

[10 × 2 = 20]

- a) Define Homoeopathic Materia Medica.
- b) Define Doctrine of Signature with an example.
- c) Define Drug Proving.
- d) Define Clinical source with an example.
- e) Define Emperical source with an example.
- f) Write the character of sound of cough and its modality in Spongia.
- g) Write the physical constitution of Lycopodium.
- h) Mention the causative factor and modality for pain in Colocynth.
- i) Give the common name and family of Cinchona.

- j) Mention the characteristic indication of sweat in Thuja.
- k) Give the ailments from in Rhus tox.
- l) Write down the ailments from and delirium of Bryonia.
- m) Write down the causative factors and character of stool in diarrhoea of Argentum Nitricum.
- n) Mention the cause and character of stool in Arnica constipation.
- o) Write down the character of Haemorrhoids in Aloes.

2. Write short answer (any four out of six) :

[4 × 5 = 20]

- a) Give indications for colic in Mag Phos.
- b) Give the indications for Euphrasia in eye complaints.
- c) Give the indications for headache in Natrum Mur.
- d) Give the characteristic guiding indications for Ferrum phos.
- e) Give the mentals of Antim Crud.
- f) Give the urinary complaints of Apis Mellifica.

3. Write short answer (any four out of six) :

[4 × 5 = 20]

- a) Give the characteristic indications of Aethusa convulsions.
- b) Give the gastrointestinal symptoms of Aloes.
- c) Describe the sources of Homoeopathic Materia Medica.
- d) Describe the sources of Drugs.
- e) Describe the types of Homoeopathic Materia Medica.
- f) Describe the Sources of Materia Medica.

~~Arnica - Injury~~

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f) Write keynote indications of Aconitum Nephelium.

4. Long answer question (any two out of four) : [2 × 10 = 20]
- Compare and Contrast the injuries of Arnica and Ledum Pal.
 - Compare and Contrast the respiratory complaints of Antim Tart and Hepar Sulp.
 - Compare and Contrast the child of Silicea and Chamomilla.
 - Compare and Contrast gastrointestinal symptoms of Bryonia and Arsenic alb.

Long answer question (any one from Q.No. 5, 6 and 7) :

5. Explain in detail the Drug picture of Calcarea carb. [1 × 20 = 20]
6. Give the Biochemic indications of Calc Phos in detail. [1 × 20 = 20]
7. Give the Drug picture of Pulsatilla. [1 × 20 = 20]



Rockstar Pandya

Second B.H.M.S. (2015) Examination, Summer - 2021 ORGANON OF MEDICINE

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Total Marks : 100

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 - 7) Use a common answerbook for all sections.

1. Write short answer (any ten out of fifteen) :

[10 × 2 = 20]

- a) Aphorism No.1
- b) Define Totality of symptoms
- c) State Aphorism 26
- d) Define Primary action.
- e) Highest Ideal of Cure
- f) Define Psychology
- g) What is Unconditional Force?
- h) Law of Minimum Dose
- i) Define General symptom
- j) Define Logic
- k) Exciting Cause
- l) Two contributions of Dr.Kent
- m) Two contributions of Dr.Hering
- n) Define Analysis of symptoms
- o) Define Susceptibility

2. Write short answer (**any four** out of six): [4 × 5 = 20]
- a) Mission of Physician
 - b) Hufeland's Criticism
 - c) Heteropathy
 - d) Secondary Action
 - e) Law of Similars
 - f) Contributions of Dr.Boenninghausen towards Homoeopathy
3. Write short answer (**any four** out of six) : [4 × 5 = 20]
- a) Theory of chronic disease
 - b) Indispositions
 - c) Motivation
 - d) Instructions of Case Taking
 - e) Key Note Symptom
 - f) Concept of Disease in Homoeopathy
4. Long answer question (**any two** out of four) [2 × 10 = 20]
- a) Explain in details the concept of Sick as given by Dr. Kent
 - b) Spread of Homoeopathy in India
 - c) Write in details about different Methods of Analysis & Evaluation.
 - d) Describe in details the Contributions & Conversion of Dr. Hering to Homoeopathy.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Explain in detail the life history of Dr.Hahnemann. [1 × 20 = 20]
6. Explain Cardinal Principles of Homoeopathy. [1 × 20 = 20]
7. Write in details about the concept of Dynamic Influence with examples as given by Dr. Hahnemann. [1 × 20 = 20]

